

*SEND

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OM nucleic - nucleic search, using sw model

Run on: April 27, 2004, 08:59:48 ; Search time 106 Seconds
(without alignments)
6120.166 Million cell updates/sec

Title: US-09-899-645A-1

Perfect score: 1169

Sequence: 1 gagctcacccggtgcccgcg.....tcgagggggggcccggtacc 1169

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

- 1: /cgn2_6/ptodata/2/ina/5A_COMB.seq.*
- 2: /cgn2_6/ptodata/2/ina/5B_COMB.seq.*
- 3: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*
- 4: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*
- 5: /cgn2_6/ptodata/2/ina/PTUS_COMB.seq.*
- 6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1081	92.5	1100	4	US-09-614-912-109
2	1016	86.9	1083	4	US-09-614-912-119
3	548.2	46.9	1414	4	US-09-614-912-111
4	530.6	43.4	1312	4	US-09-614-912-121
5	314.6	26.9	1225	4	US-09-614-912-115
6	309.6	26.5	1756	4	US-09-614-912-117
7	118.6	10.1	627	4	US-09-614-912-123
8	110.2	9.4	477	4	US-09-614-912-125
9	101.8	8.7	903	4	US-09-252-991A-3827
c 10	101.8	8.7	1311	4	US-09-252-991A-3685
11	87	7.4	1098	2	US-08-872-784-2
12	87	7.4	1098	2	US-09-100-851-2
13	87	7.4	1098	3	US-09-263-294-2
14	81.6	7.0	879	4	US-09-543-681A-1785
15	75.8	6.5	312	4	US-09-252-991A-3737
c 16	73.4	6.3	380	4	US-09-702-705-545
c 17	73.4	6.3	380	4	US-09-736-457-545
c 18	73.4	6.3	380	4	US-09-614-124B-545
c 19	73.4	6.3	380	4	US-09-671-325-545
c 20	73.4	6.3	380	4	US-09-589-184-545
21	73	6.2	4148	4	US-09-435-019-13
c 22	73	6.2	4148	4	US-09-435-019-15
c 23	72.6	6.2	530	4	US-09-614-912-113
c 24	72.4	6.2	632	4	US-09-489-847-56
c 25	72.2	6.2	1500	4	US-09-685-462-1
26	71.8	6.1	3089	1	US-08-472-934-5
27	71.8	6.1	3089	2	US-08-323-460A-5

SEQUENCE REPORT

28	71.8	6.1	3089	2	US-08-461-146C-5	Sequence 5, Appli
29	71.8	6.1	3089	3	US-08-461-145C-5	Sequence 5, Appli
30	71.8	6.1	3089	4	US-08-638-829-9	Sequence 9, Appli
31	71.2	6.1	3328	3	US-08-960-048-1	Sequence 1, Appli
32	71.2	6.1	3328	4	US-09-838-586-1	Sequence 1, Appli
33	70.8	6.1	1378	1	US-08-075-533-20	Sequence 20, Appli
34	70.8	6.1	1378	2	US-08-948-176-20	Sequence 20, Appli
35	70.8	6.1	1378	5	PCT-US91-09160-20	Sequence 20, Appli
36	70.8	6.1	1774	4	US-09-489-847-17	Sequence 17, Appli
37	70.8	6.1	2045	3	US-08-795-088A-1	Sequence 1, Appli
38	70.6	6.0	368	4	US-09-489-847-121	Sequence 121, App
39	70	6.0	545	4	US-09-227-357-125	Sequence 125, App
40	70	6.0	1556	3	US-09-043-937A-3	Sequence 3, Appli
41	70	6.0	2085	2	US-08-668-128B-7	Sequence 7, Appli
42	70	6.0	2085	2	US-08-905-445-7	Sequence 7, Appli
43	69.8	6.0	819	4	US-09-435-019-25	Sequence 25, Appli
44	69.4	5.9	867	4	US-09-204-865-8	Sequence 8, Appli
45	69.4	5.9	906	4	US-09-489-847-72	Sequence 72, Appli

ALIGNMENTS

RESULT 1
US-09-614-912-109
; Sequence 109, Application US/09614912
; Patent No. 6677502
; GENERAL INFORMATION:
; APPLICANT: Allen, Steve
; APPLICANT: Rafalski, Antoni
; APPLICANT: Orozco, Buddy
; APPLICANT: Miao, Gou-Hau
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Lee, Jian Ming
; APPLICANT: Sakai, Hajime
; APPLICANT: Weng, Zude
; APPLICANT: Cairni, Perry G
; APPLICANT: Anderson, Shawn
; TITLE OF INVENTION: Plant Metabolism Genes
; FILE REFERENCE: BB1378 US NA
; CURRENT APPLICATION NUMBER: US/09/614,912
; CURRENT FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: 60/143,401
; PRIOR FILING DATE: 1999-07-12
; PRIOR APPLICATION NUMBER: 60/143,412
; PRIOR FILING DATE: 1999-07-12
; PRIOR APPLICATION NUMBER: 60/146,650
; PRIOR FILING DATE: 1999-07-30
; PRIOR APPLICATION NUMBER: 60/170,906
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: 60/172,959
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/172,946
; PRIOR FILING DATE: 1999-12-21
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 109
; LENGTH: 1100
; TYPE: DNA
; ORGANISM: Zea mays
US-09-614-912-109

Query Match	92.5%	Score 1081;	DB 4;	Length 1100;
Best Local Similarity	99.5%	Pred. No. 0;		
Matches 1084;	Conservative	0;	Mismatches	5;
			Indels	0;
			Gaps	0;
Qy	60	CGCAGAGAGACTGTGATTCCTCTAAAATGGTGCATAGTTGCATGCAATTTCTTG	119	
Db	12	CAGCATCCCAAGACTGTGATTCCTCTAAAATGGTGCATAGTTGCATGCAATTTCTTG	71	
Qy	120	TTGCTGAGACATAACATACCGATATATATACAGTTTCATCGGCACGTCGATGATCCA	179	
Db	72	TTCTGAGACATAACATACCGATATATATACAGTTTCATCGGCACGTCGATGATCCA	131	

2Y 961 GTCAAACTTAACATTTTTCATTTTCCTCGGATGATTTCTATTTGTTTGGTGTGTG 1020
 Db 961 GTCAAACTTAACATTTTTCATTTTCCTCGGATGATTTCTATTTGTTTGGTGTGTG 1020
 2Y 1021 TGGTTGGAGGGTATTTGAAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGATTT 1080
 Db 1021 TGGTTGGAGGGTATTTGAAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGATTT 1080
 2Y 1081 CTGTCAGCTTACTTTTTCATTTATGACAGAGTATATATATATATATATATATAT 1140
 Db 1081 CTGTCAGCTTACTTTTTCATTTATGACAGAGTATATATATATATATATATATAT 1140
 2Y 1141 AAAAAAACTCGAGGGGGGGCCCGGTACC 1169
 Db 1141 AAAAAAACTCGAGGGGGGGCCCGGTACC 1169

RESULT 2
 ; Sequence 1, Application US/09899645A
 ; GENERAL INFORMATION:
 ; APPLICANT: Li, Chun Ping
 ; APPLICANT: Zheng, Peizhong
 ; APPLICANT: Nichols, Scott
 ; TITLE OF INVENTION: METHODS FOR REGULATING BETA-OXIDATION IN PLANTS
 ; FILE REFERENCE: 35718/235742
 ; CURRENT APPLICATION NUMBER: US/09/899,645A
 ; CURRENT FILING DATE: 2001-07-05
 ; PRIOR APPLICATION NUMBER: 60/216,211
 ; PRIOR FILING DATE: 2000-07-06
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 1
 ; LENGTH: 1169
 ; TYPE: DNA
 ; ORGANISM: Zea mays
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (89)...(814)
 ; US-09-899-645A-1

Query Match 100.0%; Score 1169; DB 35; Length 1169;
 Best Local Similarity 100.0%; Pred. No. 3.3e-205;
 Matches 1169; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGCTCCACCGCGTGGCGCGCTCTAGAACTAGTGGATCCCGGGCTGCAGGAATTC 60
 Db 1 GAGCTCCACCGCGTGGCGCGCTCTAGAACTAGTGGATCCCGGGCTGCAGGAATTC 60
 QY 61 GGCACGAGAGCTGTTGATTTCTAAAAATGGTGCATAGTTGCAATTTTCTTGT 120
 Db 61 GGCACGAGAGCTGTTGATTTCTAAAAATGGTGCATAGTTGCAATTTTCTTGT 120
 QY 121 TGCTGGAGACAATAACATACCGATAATATATCAAGTTTCATCGGCGACGTGATGCCAG 180
 Db 121 TGCTGGAGACAATAACATACCGATAATATATCAAGTTTCATCGGCGACGTGATGCCAG 180
 QY 181 CTTTGGCACAAGAAAAGTGGAGCAAGCAAGAGGCGCTAGTTGTAATCACTTGATTC 240
 Db 181 CTTTGGCACAAGAAAAGTGGAGCAAGCAAGAGGCGCTAGTTGTAATCACTTGATTC 240
 QY 241 TTCTTTCCAGAGGAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 300
 Db 241 TTCTTTCCAGAGGAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 300
 QY 301 TCGCCAGAACAGCTCTTAACTCGGAGGAGATACGTGAAAGACGGCTTACTGATCCAG 360
 Db 301 TCGCCAGAACAGCTCTTAACTCGGAGGAGATACGTGAAAGACGGCTTACTGATCCAG 360
 QY 361 CTTCCTCCATCCCATATAGGAAGTGGCAGCTAAAAAAGTTTATTCCTTGGCCCATAG 420
 Db 361 CTTCCTCCATCCCATATAGGAAGTGGCAGCTAAAAAAGTTTATTCCTTGGCCCATAG 420

QY 421 AATGAGATTTTGTGAAGGTTTCAAGCTCTCAACATAAACCAAGCTTAAACTACTGTTAG 480
 Db 421 AATGAGATTTTGTGAAGGTTTCAAGCTCTCAACATAAACCAAGCTTAAACTACTGTTAG 480
 QY 481 AGCTCAGAGGAAACTCTCAGACGACCAAGCTCTACACAGATGTTGTAGCATATGCTTC 540
 Db 481 AGCTCAGAGGAAACTCTCAGACGACCAAGCTCTACACAGATGTTGTAGCATATGCTTC 540
 QY 541 GGATCTACTATTTTCTGGGGTGAGCCTTAAACCTCTATCGGAGAGGGTTTGAAGACATA 600
 Db 541 GGATCTACTATTTTCTGGGGTGAGCCTTAAACCTCTATCGGAGAGGGTTTGAAGACATA 600
 QY 601 CTGCTCAGTCTTGACCATTTCCATCTGTTTCCACAAACCTGTGAAGGCTGACGAATGGAT 660
 Db 601 CTGCTCAGTCTTGACCATTTCCATCTGTTTCCACAAACCTGTGAAGGCTGACGAATGGAT 660
 QY 661 GCTGTATGATCGAGAGCCCATCTCGCAGCGTGTGTCGCGGTTTCCTCAGCGAGCCAT 720
 Db 661 GCTGTATGATCGAGAGCCCATCTCGCAGCGTGTGTCGCGGTTTCCTCAGCGAGCCAT 720
 QY 721 GTTCAACAGCAGGAGAGCTTATCATGCTGCTGACCCCAAGAGGCAATTCATTCGAGGGA 780
 Db 721 GTTCAACAGCAGGAGAGCTTATCATGCTGCTGACCCCAAGAGGCAATTCATTCGAGGGA 780
 QY 781 GAAGCCGCGAGGACCAAAATCCGAGGCGGAGGCTTTGAGGCACCTGACAGCTCTGCAGTC 840
 Db 781 GAAGCCGCGAGGACCAAAATCCGAGGCGGAGGCTTTGAGGCACCTGACAGCTCTGCAGTC 840
 QY 841 GACTGTAGAGATCCCAACCGAGCTTTGAGAGCGGACCATCTCTTCTTAATTTGGTT 900
 Db 841 GACTGTAGAGATCCCAACCGAGCTTTGAGAGCGGACCATCTCTTCTTAATTTGGTT 900
 QY 901 TAGATATTTATGAATTCACAAACAAATAATAGAAATATCAAGCAGTATAAAGATCTCAA 960
 Db 901 TAGATATTTATGAATTCACAAACAAATAATAGAAATATCAAGCAGTATAAAGATCTCAA 960
 QY 961 GTCAAACTTAACATTTTTCATTTTCCTCGGATGATTTCTATTTGTTTGGTGTGTG 1020
 Db 961 GTCAAACTTAACATTTTTCATTTTCCTCGGATGATTTCTATTTGTTTGGTGTGTG 1020
 QY 1021 TGGTTGAGGGTATTTGGAAGCGGAGCGGAGCGGAGGCTTTGATATCTTTAGCTATTT 1080
 Db 1021 TGGTTGAGGGTATTTGGAAGCGGAGCGGAGCGGAGGCTTTGATATCTTTAGCTATTT 1080
 QY 1081 CCTCAGCTTACTTTTCTATATACGACAGTATATATATATATATATATATATATATAT 1140
 Db 1081 CCTCAGCTTACTTTTCTATATACGACAGTATATATATATATATATATATATATATAT 1140
 QY 1141 AAAAAAACTCGAGGGGGGGCCCGGTACC 1169
 Db 1141 AAAAAAACTCGAGGGGGGGCCCGGTACC 1169

RESULT 3
 US-60-172-946-1
 ; Sequence 1, Application US/60172946
 ; GENERAL INFORMATION:
 ; APPLICANT: Allen, Steve
 ; APPLICANT: Ping, Chun
 ; TITLE OF INVENTION: Palmitoyl-Acyl-ACP Thioesterases in Plants
 ; FILE REFERENCE: BB1428 US PRV
 ; CURRENT APPLICATION NUMBER: US/60/172,946
 ; CURRENT FILING DATE: 1999-12-21
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: Microsoft Office 97
 ; SEQ ID NO 1
 ; LENGTH: 1100
 ; TYPE: DNA
 ; ORGANISM: Zea mays
 ; US-60-172-946-1

Query Match 92.5%; Score 1081; DB 73; Length 1100;
 Best Local Similarity 99.5%; Pred. No. 5.3e-189;

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Matches 242; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MVHSLHAIPLVAGDNNIPPIYQVHRARDGSSPATRKVEAKQKGLVVFVTLIASFQKEEVGF 60
DB 1 MVHSLHAIPLVAGDNNIPPIYQVHRARDGSSPATRKVEAKQKGLVVFVTLIASFQKEEVGF 60
QY 61 EQQAAMPDVPPEQLLNLEERERRLTDPFPSPQYRNLAACKKFIWPPIEMRFCEGSAS 120
DB 61 EQQAAMPDVPPEQLLNLEERERRLTDPFPSPQYRNLAACKKFIWPPIEMRFCEGSAS 120
QY 121 QHKPSLNWYFRARGKLSDDQALHRCVAYASDLLFSGVSLNPHREKGLKTYCLSLDHSIW 180
DB 121 QHKPSLNWYFRARGKLSDDQALHRCVAYASDLLFSGVSLNPHREKGLKTYCLSLDHSIW 180
QY 181 FHKPVKADEWMLYVIESPSAHGGRGFTVGRMFNRQGLIMSLTQBALIRREKPRGPNRP 240
DB 181 FHKPVKADEWMLYVIESPSAHGGRGFTVGRMFNRQGLIMSLTQBALIRREKPRGPNRP 240
QY 241 KL 242
DB 241 KL 242

RESULT 2
US-09-899-645A-2
; Sequence 2, Application US/09899645A
; GENERAL INFORMATION:
; APPLICANT: Li, Chun Ping
; APPLICANT: Zheng, Peizhong
; APPLICANT: Nichols, Scott
; TITLE OF INVENTION: METHODS FOR REGULATING BETA-OXIDATION IN PLANTS
; FILE REFERENCE: 35718/235742
; CURRENT APPLICATION NUMBER: US/09/899,645A
; PRIOR FILING DATE: 2001-07-05
; PRIOR FILING DATE: 2000-07-06
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 242
; TYPE: PRT
; ORGANISM: Zea mays
US-09-899-645A-2

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Query Match 100.0%; Score 1281; DB 23; Length 242;
Best Local Similarity 100.0%; Pred. No. 3.6e-135;
Matches 242; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MVHSLHAIPLVAGDNNIPPIYQVHRARDGSSPATRKVEAKQKGLVVFVTLIASFQKEEVGF 60
DB 1 MVHSLHAIPLVAGDNNIPPIYQVHRARDGSSPATRKVEAKQKGLVVFVTLIASFQKEEVGF 60
QY 61 EQQAAMPDVPPEQLLNLEERERRLTDPFPSPQYRNLAACKKFIWPPIEMRFCEGSAS 120
DB 61 EQQAAMPDVPPEQLLNLEERERRLTDPFPSPQYRNLAACKKFIWPPIEMRFCEGSAS 120
QY 121 QHKPSLNWYFRARGKLSDDQALHRCVAYASDLLFSGVSLNPHREKGLKTYCLSLDHSIW 180
DB 121 QHKPSLNWYFRARGKLSDDQALHRCVAYASDLLFSGVSLNPHREKGLKTYCLSLDHSIW 180
QY 181 FHKPVKADEWMLYVIESPSAHGGRGFTVGRMFNRQGLIMSLTQBALIRREKPRGPNRP 240
DB 181 FHKPVKADEWMLYVIESPSAHGGRGFTVGRMFNRQGLIMSLTQBALIRREKPRGPNRP 240
QY 241 KL 242
DB 241 KL 242

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RESULT 3
US-60-172-946-2
; Sequence 2, Application US/60172946
; GENERAL INFORMATION:

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; APPLICANT: Allen, Steve
; APPLICANT: Ping, Chun
; TITLE OF INVENTION: Palmitoyl-Acyl-ACP Thioesterases in Plants
; FILE REFERENCE: BB1428 US PRV
; CURRENT APPLICATION NUMBER: US/60/172,946
; CURRENT FILING DATE: 1999-12-21
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 2
; LENGTH: 255
; TYPE: PRT
; ORGANISM: Zea mays
US-60-172-946-2

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Query Match 100.0%; Score 1281; DB 33; Length 255;
Best Local Similarity 100.0%; Pred. No. 3.9e-135;
Matches 242; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MVHSLHAIPLVAGDNNIPPIYQVHRARDGSSPATRKVEAKQKGLVVFVTLIASFQKEEVGF 60
DB 14 MVHSLHAIPLVAGDNNIPPIYQVHRARDGSSPATRKVEAKQKGLVVFVTLIASFQKEEVGF 73
QY 61 EQQAAMPDVPPEQLLNLEERERRLTDPFPSPQYRNLAACKKFIWPPIEMRFCEGSAS 120
DB 74 EQQAAMPDVPPEQLLNLEERERRLTDPFPSPQYRNLAACKKFIWPPIEMRFCEGSAS 133
QY 121 QHKPSLNWYFRARGKLSDDQALHRCVAYASDLLFSGVSLNPHREKGLKTYCLSLDHSIW 180
DB 134 QHKPSLNWYFRARGKLSDDQALHRCVAYASDLLFSGVSLNPHREKGLKTYCLSLDHSIW 193
QY 181 FHKPVKADEWMLYVIESPSAHGGRGFTVGRMFNRQGLIMSLTQBALIRREKPRGPNRP 240
DB 194 FHKPVKADEWMLYVIESPSAHGGRGFTVGRMFNRQGLIMSLTQBALIRREKPRGPNRP 253
QY 241 KL 242
DB 254 KL 255

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RESULT 4
US-10-219-999-45264
; Sequence 45264, Application US/10219999
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Edgerton, Michael D
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Liu, Jingdong
; APPLICANT: Stein, Joshua
; TITLE OF INVENTION: CDNA SEQUENCES AND USES FOR PLANT IMPROVEMENT
; FILE REFERENCE: 38-10(52726)C
; CURRENT APPLICATION NUMBER: US/10/219,999
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: US 60/324,109
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: US 60/312,544
; PRIOR FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 63520
; SEQ ID NO 45264
; LENGTH: 424
; TYPE: PRT
; ORGANISM: Zea mays
US-10-219-999-45264

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Query Match 98.9%; Score 1267; DB 28; Length 424;
Best Local Similarity 98.8%; Pred. No. 3.1e-133;
Matches 239; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 1 MVHSLHAIPLVAGDNNIPPIYQVHRARDGSSPATRKVEAKQKGLVVFVTLIASFQKEEVGF 60
DB 183 MVHSLHAIPLVAGDNNIPPIYQVHRARDGSSPATRKVEAKQKGLVVFVTLIASFQKEEVGF 242
QY 61 EQQAAMPDVPPEQLLNLEERERRLTDPFPSPQYRNLAACKKFIWPPIEMRFCEGSAS 120

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